

New Product Announcement

Osram SPL SxL90A Lasers, Now Available at Mouser, Enhance LiDAR Vision of Autonomous Vehicles

June 1, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now offering the [SPL S1L90A and SPL S4L90A](#) lasers from [Osram Opto Semiconductors](#). The high-power, infrared SMT components feature a 905 nm laser wavelength suitable for use in autonomous vehicles and other Light Detection and Ranging (LiDAR) applications.

The [Osram SPL S1L90A and SPL S4L90A](#) lasers, available from Mouser Electronics, offer a typical output of 120 W at 40 A per channel, at up to 33 percent efficiency. The lasers feature low thermal resistance, allowing heat to dissipate easily from components even when operating at high currents. The lasers are available in the single-channel SPL S1L90A version and the four-channel SPL S4L90A version, providing varying levels of range and optical power. The four-channel laser, available to order from Mouser, delivers exceptional optical power at 480 W, suitable for an extended detection range.

The high-power SPL S1L90A and SPL S4L90A lasers enable short pulse widths of around 2 ns or less. The lasers are qualified according to AEC-Q102 [automotive](#) guidelines, and their compact form factor makes them an ideal choice for limited-space designs as well as [industrial](#) sensing, control and automation, CCTV surveillance, 3D [sensing](#), and pedestrian protection applications. The package design ensures precise mechanical alignment during assembly, as well as a very low inductance to ensure short pulses for best results in high- and low-volume applications.

To learn more, visit <https://www.mouser.com/new/osram/osram-spl-sxl90a-lidar-lasers/>.

As an authorized distributor, Mouser Electronics is focused on the rapid introduction of new products and technologies, giving customers an edge and helping speed time to market. Over 800 semiconductor and electronic component manufacturers count on Mouser to help them introduce their products into the global marketplace. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each manufacturer.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 800 manufacturers. Mouser offers 27 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 countries/territories from its 1 million sq. ft. state-of-the-art facilities south of Dallas, Texas. For more information, visit www.mouser.com.

About OSRAM

OSRAM, based in Munich, is a leading global high-tech company with a history dating back more than 110 years. Primarily focused on semiconductor-based technologies, the company's products are used in highly diverse applications ranging from virtual reality to autonomous driving and from smartphones to smart and connected lighting solutions in buildings and cities. OSRAM uses the endless possibilities of light to improve the quality of life for individuals and communities. OSRAM's innovations enable people all over the world not only to see better, but also to communicate, travel, work and live better. Additional information can be found at www.osram.com.

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